

## Sheldrake, Sean

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**From:** BAYUK Dana [BAYUK.Dana@deq.state.or.us]  
**Sent:** Wednesday, January 29, 2014 3:01 PM  
**To:** Bob Wyatt  
**Cc:** Burr, Myron; Patty Dost; Gladstone, Alan; John Edwards; 'Ben Hung'; 'John Renda'; Rob Ede; Lance Downs; Terry Driscoll; 'James Peale'; Sheldrake, Sean; Muza, Richard; Lance Peterson; 'Coffey, Scott'; BURKHART Robert; GAINER Tom; JOHNSON Keith; LARSEN Henning  
**Subject:** NW Natural, Groundwater Source Control Extraction Test Data Report  
**Attachments:** DEQ\_Comments-HC&C\_System\_Test\_Summary\_Report-29Jan14.pdf; DEQ\_Comments-HC&C\_System\_Test\_Summary\_Report-Att1-29Jan14.pdf; EPA Comments on 12-23-13 Data Summary Report\_24\_JAN\_14.pdf

Good afternoon Bob.

DEQ reviewed the "Data Report: Groundwater Source Control Extraction System Test – NW Natural Gasco Site" dated December 23, 2013 (Test Summary Report). The Test Summary Report presents the results of the Phase 1-Step 1, Step 2, and Step 3 tests of the Alluvium water-bearing zone (WBZ) hydraulic control and containment (HC&C) system. Anchor QEA, LLC (Anchor) prepared the Test Summary Report for NW Natural.

The primary purpose of this e-mail and the attached transmittal letter is to inform NW Natural that DEQ approves Anchor's recommendations to:

- Reduce the frequency of water levels measurements from 1-minute to 15-minutes at the installations where the higher data collection rate is being used; and
- Perform a set-point test (i.e., Phase 1-Step 4) that involves pumping all extraction wells in the HC&C system for 7-days at a set-point of -0.3-feet.

In an e-mail dated January 8, 2014, DEQ previously provided written approval of Anchor's recommendation to redevelop extraction wells PW-1L and PW-1U before initiating the Step 4 test.

In addition to DEQ, EPA reviewed the Test Summary Report. Soft copies of DEQ and EPA comments are attached. For clarification, DEQ and EPA are not requesting the Test Summary Report to be revised and resubmitted. DEQ and EPA request that our comment sets be addressed by the next data summary report.

Hard copies of the letter and comments will be sent you via regular mail this week.

DEQ acknowledges the work NW Natural completed in compiling the large amount of data collected during the Phase 1 tests. DEQ also appreciates the work done to present the data on figures that can be used to assess the influence of the HC&C system on groundwater along the shoreline of the Gasco Site and the northern portion of the Siltronic property.

Bob...I hope your new year has begun well and please feel free to contact me with questions regarding the attachments.

Dana

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